

# North Carolina

DEPARTMENT OF TRANSPORTATION

## **Snow & Ice Response: Winter 2014-2015**

Mike Holder, PE, Chief Engineer

Board of Transportation, April 2, 2015

# Winter Weather Impacts

## FY2014 Significant Events

Dates			Number Counties
15-Jan	-	16-Jan	6
21-Jan	-	22-Jan	55
28-Jan	-	29-Jan	97
11-Feb	-	13-Feb	55
3-Mar	-	4-Mar	50
6-Mar	-	7-Mar	28

Total Number Significant Events: 6  
Total Expenditure: **\$76.9 Million**

## FY2015 Significant Events

Dates			Number Counties
13-Jan	-	14-Jan	43
26-Jan	-	27-Jan	13
16-Feb	-	18-Feb	91
24-Feb	-	26-Feb	80

Total Number Significant Events: 4  
Total Expenditure: **\$63.2 Million (to date)**

# Winter Event Costs and Resources

Significant Event Dates			Number Counties	Estimated Costs	Total Employees	Total Trucks	Total Brine (Gal)	Total Salt (Tons)	Total Salt-Sand (Tons)
13-Jan	-	14-Jan	43	\$3.1 M*	995	586	63,900	1,881	3,218
26-Jan	-	27-Jan	13	\$4.1 M*	256	139	4,100	1,496	883
16-Feb	-	18-Feb	91	\$14.3 M*	2,417	1,257	2,622,747	50,341	17,498
24-Feb	-	26-Feb	80	\$14.3 M*	2,260	1,178	1,651,000	29,029	9,899
<b>TOTAL FY2015**</b>				<b>\$63.2 M</b>			<b>4,812,748</b>	<b>95,824</b>	<b>45,608</b>

\*May not include all payments to contractor.

\*\*Total FY2015 includes non-significant events and other preparation costs.

Statewide Salt Expenditure: \$12.5 Million

# 2015 Road Clearing Stats

Peak daily numbers for equipment/personnel:

- 2,991 NCDOT Employees
- 1,620 NCDOT Trucks Operating with Plows and Spreaders
- 287 NCDOT Graders Used
- 552 Contract Truck/Graders Operating
- 42 Contract Trucks with Brine Equipment

Cumulative totals for materials:

- 4,812,748 Gallons of Brine Placed
- 95,824 Tons of Salt Used
- 45,608 Tons of Salt/Sand Mix Used